Now designed to embolize the peripheral and neuro vasculature. Assist in the delivery of diagnostic agents, such as contrast media, and therapeutic devices, such as occlusion coils in ineffective catheter coating lubrication, which may result in high friction and the inability to access the target location.

The POD System is indicated for arterial and venous vasculature. Other neurovascular abnormalities such as vessel dissection, or perforation.

POD® System

1 ANCHOR with POD
Now designed to embolize 2-3 mm vessels
2 PACK with Packing Coil

1 FRAME with Ruby Standard
Now with 3.0 & 4.0 mm sizes
2 FILL with Ruby Soft

RUBY® COIL SYSTEM

ORDERING INFORMATION

Now with Ruby Soft WAVE™

RULES FOR ORDERING

• Use the Penumbra Delivery Microcatheters in conjunction with RUBY® COIL SYSTEM.
• The POD System is indicated for arterial and venous vasculature. Other neurovascular abnormalities such as vessel dissection, or perforation.
• Do not use kinked or damaged devices. Do not use the device as a unit with the microcatheter.
• Maintain a constant infusion of an appropriate flush solution.
• Do not advance or withdraw the device against resistance without careful observation and manipulation of the catheter.
• Moving or torquing the device against resistance may result in damage to the vessel or device.
• Do not attempt to clear the lumen by infusion. Remove and replace the device.
• Do not use kinked or damaged devices. Do not use the device as a unit with the microcatheter.
• Maintain a constant infusion of an appropriate flush solution.
• Do not advance or withdraw the Penumbra Delivery Microcatheters against resistance without careful observation and manipulation of the catheter.
• Do not attempt to clear the lumen by infusion. Remove and replace the device.
High-Flow Vessel Sacrifice

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POD Packing Coil J-Soft 45 cm 45
POD Packing Coil J-Soft 30 cm 30
POD Packing Coil J-Soft 15 cm 15

POD RH1 Detachment Handle

The Ruby Coil System is indicated for arterial and venous embolizations in the peripheral vasculature.

There are no known contraindications.

Potential Adverse Events

- Hypotension
- Hypovolemia
- Microscopic air emboli
- Air embolism
- Air emboli
- Vessel spasm, thrombosis, dissection, or perforation
- Air embolism; emboli.
- Spasm, thrombosis, dissection, perforation or rupture
- Air embolism; emboli.
- Air embolism; emboli.
- Air embolism; emboli.
- Air embolism; emboli.
- Air embolism; emboli.
- Air embolism; emboli.
- Air embolism; emboli.

Precautions

- Do not use kinked or damaged devices. Do not use open or damaged packages. Return all damaged devices and packaging to the manufacturer/distributor.
- Do not resterilize or reuse. Resterilization and/or reuse may result in damage to the vessel or device.
- Maintain a constant infusion of an appropriate flush solution.
- Do not advance or withdraw the Penumbra Delivery Microcatheters against resistance.
- Use device in conjunction with fluoroscopic guidance.
- Do not advance or retract the device against resistance.
- Moving or torquing the device against resistance may result in damage to the vessel or device.
- Do not attempt to clear the lumen by infusion. Remove and replace the device if needed.

Warnings

- There are no known contraindications.
- Use prior to the “Use By” date.
- Do not use kinked or damaged devices. Do not use opened or damaged packages. Return all damaged devices and packaging to the manufacturer/distributor.
- Do not resterilize or reuse. Resterilization and/or reuse may result in damage to the vessel or device.
- Maintain a constant infusion of an appropriate flush solution.
- Do not advance or withdraw the Penumbra Delivery Microcatheters against resistance.
- Use device in conjunction with fluoroscopic guidance.
- Do not advance or retract the device against resistance.
**VOLUME ADVANTAGE**

30 cm Ruby® Coil

27% Packing

30 cm Conventional Detachable Coil

12% Packing

30 cm large volume soft coil in glass model

Soft coils pack, forming dense metal occlusion.

**SOFTNESS ADVANTAGE**

**EMBOLIZATION SYSTEM CASES**

- **Splenic Artery Embolization**
  - Dr. Thomas Aquisto
  - Evanston Hospital, IL

- **Hypogastric Artery Embolization**
  - Dr. Frank Arao
  - St. Luke’s Health, TX

- **Bilateral Iliac Embolization**
  - Dr. Herbert Cordova
  - St. Rose Dominican Siena Campus, NV

- **Hepatic Artery Aneurysm**
  - Dr. James Benenati
  - Miami Cardiac and Vascular Institute, FL

- **Pelvic Congestion Syndrome**
  - Dr. Parag J. Patel
  - Medical College of Wisconsin, WI

- **Splenic Artery Embolization**
  - Dr. Thomas Aquisto
  - Evanston Hospital, IL

- **POD12 & Packing Coils**

- **Soft Coils**
  - embolize collateral 27%
  - Packing 12%

- **Pre Fontan Embolization**
  - Dr. Saar Danon
  - Cardinal Glennon Children’s Hospital, MO

- **Pulmonary AVM**
  - Dr. Mahmood Razavi
  - St. Joseph Hospital, CA

- **ESD & Gastric Embolization**

**ONLY COIL TO PROVIDE 60 CM LENGTH AND .020” THICKNESS**

- **20 cm 18-system competitor coil in glass model**

- **60 cm Packing Coil**

**LANTERN MICROCATHERETER**

- **Ruby Coil**
  - LANTERN® Microcatheter
  - 60 cm

- **Conventional 35 Coil**
  - 40 cm

- **Conventional 18 Coil**
  - 30 cm

**TIP SHAPES**

- Straight
  - 45°
  - 90°

**PRECISE COIL DETACHMENT**

- Ruby and POD® are the only coils designed to be delivered through a LANTERN High-Flow Microcatheter.

- Cell Thickness
  - .020”

- Cell Diameter
  - 360 µm

- Ruby Coil deployed from LANTERN High-Flow Microcatheter

- Ruby and POD® are high-conductivity, high-strength stainless steel (.020” x .021”)

- 100% stainless steel (316L)

- Cell deployment at the intended location along the 360° track of the LANTERN Microcatheter

- Cell marker passes proximal catheter marker to form “T,” indicating that Ruby or POD can now be detached.

- Coil alignment marker

- Proximal catheter marker

- Coil is not fully deployed (coil is still within the catheter tip)

- Coil fully deployed and ready to be detached

- Ruby and POD® are the only coils designed to be delivered through a LANTERN High-Flow Microcatheter.

Photographs taken by and on file at Penumbra, Inc. Bench test results may not be indicative of clinical performance.
VOLUME ADVANTAGE

- Only coil to provide 60 cm length and .020" thickness

- 20 cm 18-system competitor coil in glass model
- 30 cm large volume soft coil in glass model

SOFTNESS ADVANTAGE

- 20 cm Packing
- 12% Packing

LANTERN MICROCATHERET

- Precise coil detachment

EMBOLIZATION SYSTEM CASES

- Splenic Artery Embolization
- Hepatic Artery Aneurysm
- Pulmonary AVM

- Conventional 35 Coil
- Conventional 18 Coil

- Ruby Coil
- Conventional Detachable Coil

- Max. Length 60 cm
- Max. Length 40 cm
- Max. Length 30 cm

- 30 cm Ruby® Coil
- 30 cm Conventional Detachable Coil

- Soft coils pack, forming dense metal occlusion.

- Based on 8 mm coil.

- Ruby and POD® are the only coils designed to be delivered through a LANTERN High-Flow Microcatheter.

- Photographs taken by and on file at Penumbra, Inc. Bench test results may not be indicative of clinical performance.
**Indications for Use**

The Penumbra Delivery Microcatheters are intended to assist in the delivery of diagnostic agents, such as contrast in ineffective catheter coating lubrication, which may result with fluoroscopic visualization. Packaging to the manufacturer / distributor. Resterilization and/or reuse may result in interventional techniques.

- Arterial and venous embolizations in the peripheral vasculature
- Embolizations in the peripheral vasculature
- Artériovenous malformations and arteriovenous fistulae
- Other neurovascular abnormalities such as intracranial aneurysms
- Intracranial aneurysms

**Potential Adverse Events**

- Cross-infection and potential patient injury, illness or death.
- Device failure; revascularization; thromboembolic episodes; vessel detachment; recanalization; renal failure; respiratory events; post-embolization syndrome; premature device stroke; parent artery occlusion; peripheral thromboembolic events; post-embolization hemorrhage; ischemia; myocardial infarction; neurological hemorrhage at access site of entry; incomplete aneurysm occlusion; anaphylaxis from contrast media; coagulopathy; coil herniation into parent vessel; death; device malfunction; distal embolization; emboli; embolic stroke and other cerebral embolism; emboli.

**Warnings**

- Do not use kinked or damaged devices. Do not use devices and packaging to the manufacturer/distributor.
- Do not advance or withdraw the device against resistance.
- Use prior to the “Use By” date.
- Do not use kinked or damaged devices. Do not use devices and packaging to the manufacturer/distributor.

**Ordering Information**

- RBYPOD3
- RBYPOD45
- POD Packing Coil J-Soft
- 30 cm 30°
- RBY4C0860 60
- RBY4C0630 60
- RBY4C0620 60
- RBY4C0202 60
- RBY4C1650 60
- RBY4C0315 60

**Contact Information**

- Phone: 1-510-748-3200
- Fax: 1-888-272-4606
- Email: order@penumbrainc.com